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| Выполняемая команда | | Содержимое регистров процессора после выполнения команды | | | | | | | | Ячейка, содержимое которой изменилось после выполнения команды | |
| Адрес | Код | IP | CR | AR | DR | SP | BR | AC | NZVC | Адрес | Новый код |
| 52E | 0200 | 52F | 0200 | 52E | 0200 | 000 | 052E | 0000 | 0100 |  |  |
| 52F | EE1C | 530 | EE1C | 54C | 0000 | 000 | 001C | 0000 | 0100 | 54C | 0000 |
| 530 | AE1A | 531 | AE1A | 54B | 0FB3 | 000 | 001A | 0FB3 | 0000 |  |  |
| 531 | 0700 | 532 | 0700 | 531 | 0700 | 000 | 0531 | 0FB4 | 0000 |  |  |
| 532 | 0C00 | 533 | 0C00 | 7FF | 0FB4 | 7FF | 0532 | 0FB4 | 0000 | 7FF | 0FB4 |
| 533 | D746 | 746 | D746 | 7FE | 0534 | 7FE | D746 | 0FB4 | 0000 | 7FE | 0534 |
| 746 | AC01 | 747 | AC01 | 7FF | 0FB4 | 7FE | 0001 | 0FB4 | 0000 |  |  |
| 747 | F204 | 748 | F204 | 747 | F204 | 7FE | 0747 | 0FB4 | 0000 |  |  |
| 748 | F003 | 749 | F003 | 748 | F003 | 7FE | 0748 | 0FB4 | 0000 |  |  |
| 749 | 7E0A | 74A | 7E0A | 754 | 0FB4 | 7FE | 000A | 0FB4 | 0101 |  |  |
| 74A | F006 | 751 | F006 | 74A | F006 | 7FE | 0006 | 0FB4 | 0101 |  |  |
| 751 | AE02 | 752 | AE02 | 754 | 0FB4 | 7FE | 0002 | 0FB4 | 0001 |  |  |
| 752 | EC01 | 753 | EC01 | 7FF | 0FB4 | 7FE | 0001 | 0FB4 | 0001 |  |  |
| 753 | 0A00 | 534 | 0A00 | 7FE | 0534 | 7FF | 0753 | 0FB4 | 0001 |  |  |
| 534 | 0800 | 535 | 0800 | 7FF | 0FB4 | 000 | 0534 | 0FB4 | 0001 |  |  |
| 535 | 0740 | 536 | 0740 | 535 | 0740 | 000 | 0535 | 0FB3 | 0001 |  |  |
| 536 | 4E15 | 537 | 4E15 | 54C | 0000 | 000 | 0015 | 0FB3 | 0000 |  |  |
| 537 | EE14 | 538 | EE14 | 54C | 0FB3 | 000 | 0014 | 0FB3 | 0000 | 54C | 0FB3 |
| 538 | AE10 | 539 | AE10 | 549 | F753 | 000 | 0010 | F753 | 1000 |  |  |
| 539 | 0700 | 53A | 0700 | 539 | 0700 | 000 | 0539 | F754 | 1000 |  |  |
| 53A | 0C00 | 53B | 0C00 | 7FF | F754 | 7FF | 053A | F754 | 1000 | 7FF | F754 |
| 53B | D746 | 746 | D746 | 7FE | 053C | 7FE | D746 | F754 | 1000 | 7FE | 053C |
| 746 | AC01 | 747 | AC01 | 7FF | F754 | 7FE | 0001 | F754 | 1000 |  |  |
| 747 | F204 | 74C | F204 | 747 | F204 | 7FE | 0004 | F754 | 1000 |  |  |
| 74C | 0500 | 74D | 0500 | 74C | F754 | 7FE | 074C | EEA8 | 1001 |  |  |
| 74D | 0500 | 74E | 0500 | 74D | EEA8 | 7FE | 074D | DD50 | 1001 |  |  |
| 74E | 4C01 | 74F | 4C01 | 7FF | F754 | 7FE | 0001 | D4A4 | 1001 |  |  |
| 74F | 4E05 | 750 | 4E05 | 755 | 00B2 | 7FE | 0005 | D556 | 1000 |  |  |
| 750 | CE01 | 752 | CE01 | 750 | 0752 | 7FE | 0001 | D556 | 1000 |  |  |
| 752 | EC01 | 753 | EC01 | 7FF | D556 | 7FE | 0001 | D556 | 1000 | 7FF | D556 |
| 753 | 0A00 | 53C | 0A00 | 7FE | 053C | 7FF | 0753 | D556 | 1000 |  |  |
| 53C | 0800 | 53D | 0800 | 7FF | D556 | 000 | 053C | D556 | 1000 |  |  |
| 53D | 0700 | 53E | 0700 | 53D | 0700 | 000 | 053D | D557 | 1000 |  |  |
| 53E | 6E0D | 53F | 6E0D | 54C | 0FB3 | 000 | 000D | C5A4 | 1001 |  |  |
| 53F | EE0C | 540 | EE0C | 54C | C5A4 | 000 | 000C | C5A4 | 1001 | 54C | C5A4 |
| 540 | AE09 | 541 | AE09 | 54A | F753 | 000 | 0009 | F753 | 1001 |  |  |
| 541 | 0700 | 542 | 0700 | 541 | 0700 | 000 | 0541 | F754 | 1000 |  |  |
| 542 | 0C00 | 543 | 0C00 | 7FF | F754 | 7FF | 0542 | F754 | 1000 | 7FF | F754 |
| 543 | D746 | 746 | D746 | 7FE | 0544 | 7FE | D746 | F754 | 1000 | 7FE | 0544 |
| 746 | AC01 | 747 | AC01 | 7FF | F754 | 7FE | 0001 | F754 | 1000 |  |  |
| 747 | F204 | 74C | F204 | 747 | F204 | 7FE | 0004 | F754 | 1000 |  |  |
| 74C | 0500 | 74D | 0500 | 74C | F754 | 7FE | 074C | EEA8 | 1001 |  |  |
| 74D | 0500 | 74E | 0500 | 74D | EEA8 | 7FE | 074D | DD50 | 1001 |  |  |
| 74E | 4C01 | 74F | 4C01 | 7FF | F754 | 7FE | 0001 | D4A4 | 1001 |  |  |
| 74F | 4E05 | 750 | 4E05 | 755 | 00B2 | 7FE | 0005 | D556 | 1000 |  |  |
| 750 | CE01 | 752 | CE01 | 750 | 0752 | 7FE | 0001 | D556 | 1000 |  |  |
| 752 | EC01 | 753 | EC01 | 7FF | D556 | 7FE | 0001 | D556 | 1000 | 7FF | D556 |
| 753 | 0A00 | 544 | 0A00 | 7FE | 0544 | 7FF | 0753 | D556 | 1000 |  |  |
| 544 | 0800 | 545 | 0800 | 7FF | D556 | 000 | 0544 | D556 | 1000 |  |  |
| 545 | 0700 | 546 | 0700 | 545 | 0700 | 000 | 0545 | D557 | 1000 |  |  |
| 546 | 4E05 | 547 | 4E05 | 54C | C5A4 | 000 | 0005 | 9AFB | 1001 |  |  |
| 547 | EE04 | 548 | EE04 | 54C | 9AFB | 000 | 0004 | 9AFB | 1001 | 54C | 9AFB |
| 548 | 0100 | 549 | 0100 | 548 | 0100 | 000 | 0548 | 9AFB | 1001 |  |  |

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| № | Адрес | Команды | Мнемоника | Комментарий |
| 1 | 52E | 0200 | CLA | AC = 0 |
| 2 | 52F | EE1C | ST 54C | (54C) = AC |
| 3 | 530 | AE1A | LD 54B | AC = (54B) |
| 4 | 531 | 0700 | INC | AC++ |
| 5 | 532 | 0C00 | PUSH | (--SP) = AC |
| 6 | 533 | D746 | CALL 746 | (--SP) = 746 |
| 7 | 534 | 0800 | POP | AC = (SP++) |
| 8 | 535 | 0740 | DEC | AC-- |
| 9 | 536 | 4E15 | ADD 54C | AC = AC + (54C) |
| 10 | 537 | EE14 | ST 54C | (54C) = AC |
| 11 | 538 | AE10 | LD 549 | AC = (549) |
| 12 | 539 | 0700 | INC | AC++ |
| 13 | 53A | 0C00 | PUSH | (--SP) = AC |
| 14 | 53B | D746 | CALL 746 | (--SP) = 746 |
| 15 | 53C | 0800 | POP | AC = (SP++) |
| 16 | 53D | 0700 | INC | AC++ |
| 17 | 53E | 6E0D | SUB 54C | AC = AC - (54C) |
| 18 | 53F | EE0C | ST 54C | (54C) = AC |
| 19 | 540 | AE09 | LD 54A | AC = (54A) |
| 20 | 541 | 0700 | INC | AC++ |
| 21 | 542 | 0C00 | PUSH | (--SP) = AC |
| 22 | 543 | D746 | CALL 746 | (--SP) = 746 |
| 23 | 544 | 0800 | POP | AC = (SP++) |
| 24 | 545 | 0700 | INC | AC++ |
| 25 | 546 | 4E05 | ADD 54C | AC = AC + (54C) |
| 26 | 547 | EE04 | ST 54C | (54C) = AC |
| 27 | 548 | 0100 | HLT | Конец программы |
| 28 | 549 | F753 | BVC 53 | IF C == 0 THEN IP = 57F |
| 29 | 54A | F753 | BVC 53 | IF C == 0 THEN IP = 580 |
| 30 | 54B | 0FB3 |  |  |
| 31 | 54C | 0FB7 |  |  |

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| № | Адрес | Команды | Мнемоника | Комментарий |
| 1 | 746 | AC01 | LD SP + 1 | AC = (SP + 1) |
| 2 | 747 | F204 | BMI 04 | IF N == 1 THEN IP = 74C |
| 3 | 748 | F003 | BEQ 03 | IF Z == 1 THEN IP = 74C |
| 4 | 749 | 7E0A | CMP 754 | Сравнить AC и (754) |
| 5 | 74A | F006 | BEQ 06 | IF Z == 1 THEN IP = 751 |
| 6 | 74B | F805 | BLT 05 | IF N(+)V == 1 THEN IP = 751 |
| 7 | 74C | 0500 | ASL | Арифметический сдвиг влево  AC = 2 \* AC C = AC15 |
| 8 | 74D | 0500 | ASL | Арифметический сдвиг влево  AC = 2 \* AC C = AC15 |
| 9 | 74E | 4C01 | ADD SP + 1 | AC = AC + (SP + 1) |
| 10 | 74F | 4E05 | ADD 755 | AC = AC + (755) |
| 11 | 750 | CE01 | JUMP IP + 01 + 1 | IP = 752 |
| 12 | 751 | AE02 | LD 754 | AC = (754) |
| 13 | 752 | EC01 | ST SP + 1 | (SP + 1) = AC |
| 14 | 753 | 0A00 | RET | IP = (SP++) |
| 15 | 754 | 0FB4 |  |  |
| 16 | 755 | 00B2 |  |  |